WHAT IS CLAIMED IS:

1. A method for controlling a transmission capacity for allocating efficiently the transmission capacity on a wired line in every call in a data communication wherein said data communication relates to a mobile communication system in which data is transmitted in a wireless line and said wired line in accordance with a packet system, comprising the steps of:

measuring an practical transmission speed of said data on said wireless line in said every call;

determining said transmission capacity that is required for transmitting said data at said transmission speed through said wired line at the minimum level in said every call as a target transmission capacity;

decreasing a permissible transmission capacity in the case where said permissible transmission capacity that is usable for transmission of said data through said wired line and determined in said every call is larger than said target transmission capacity; and

increasing the permissible transmission capacity in the case where said permissible transmission capacity is smaller than said target transmission capacity;

whereby a transmission speed of said data in said wired line being controlled so as to be equal to or less than said permissible transmission capacity.

2. A method for controlling a transmission capacity for allocating efficiently the transmission capacity on a wired

line in every call in a data communication wherein said data communication relates to a mobile communication system in which data is transmitted in a wireless line and said wired line in accordance with a packet system, comprising the steps of:

measuring an practical transmission speed of said data on said wireless line in said every call;

determining said transmission capacity that is required for transmitting said data at said transmission speed through said wired line at the minimum level in said every call as a target transmission capacity;

decreasing a permissible transmission capacity in the case where a difference between said permissible transmission capacity usable for transmission of said data through said wired line, which is determined in said every call, and said target transmission capacity is smaller than a predetermined first threshold; and

increasing the permissible transmission capacity in the case where a difference between said permissible transmission capacity and said target transmission capacity is larger than a predetermined second threshold;

whereby a transmission speed of said data in said wired line being controlled so as to be equal to or less than said permissible transmission capacity.

3. A method for controlling a transmission capacity as claimed in claim 1 or 2, wherein:

said permissible transmission capacity is periodically updated.

4. A mobile communication system implementing a data communication by transmitting data through a wireless line and a wired line in accordance with a packet system, comprising:

a wherein an practical transmission speed of said data in said wireless line is measured in every call, a transmission capacity required for transmitting said data of the transmission speed through said wired line at the minimum level is determined as a target transmission capacity in said every call, a transmission capacity demanding signal for decreasing a permissible transmission capacity is transmitted in the case where said permissible transmission capacity usable for transmission of said data through said wired line and determined in said every call is larger than said target transmission capacity, and said transmission capacity demanding signal for increasing a permissible transmission capacity is transmitted in the case where the permissible transmission capacity is smaller than said target transmission capacity;

a relay station wherein said transmission capacity demanding signal is received from said radio base station to change said permissible transmission capacity set up inside the station in said every call to control the transmission speed of said data in said wired line so as to be equal to or less than said permissible capacity and at the same time, to transmit the transmission capacity demanding signal; and

a mobile switching station wherein said transmission capacity demanding signal is received from said relay station to change, in said every call, said permissible transmission

capacity set up inside the station in said every call to control the transmission speed of said data in said wired line so as to be equal to or less than said permissible transmission capacity.

5. A mobile communication system implementing a data communication by transmitting data through a wireless line and a wired line in accordance with a packet system, comprising:

a wherein an practical transmission speed of said data in said wireless line is measured in every call, a transmission capacity required for transmitting said data of the transmission speed through said wired line at the minimum level is determined as a target transmission capacity in said every call, a transmission capacity demanding signal for decreasing a permissible transmission capacity is transmitted in the case where a difference between said permissible transmission capacity usable for transmission of said data through said wired line, which is determined in said every call, and said target transmission capacity is larger than a predetermined first threshold, and said transmission capacity demanding signal for increasing a permissible transmission capacity is transmitted in the case where a difference between the permissible transmission capacity and said target transmission capacity is smaller than a predetermined second threshold;

a relay station wherein said transmission capacity demanding signal is received from said radio base station to change said permissible transmission capacity set up inside the station in said every call to control the transmission speed of said data in said wired line so as to be equal to or less than

said permissible capacity and at the same time, to transmit the transmission capacity demanding signal; and

a mobile switching station wherein said transmission capacity demanding signal is received from said relay station to change said permissible transmission capacity set up inside the station in said every call to control the transmission speed of said data in said wired line so as to be equal to or less than said permissible transmission capacity.

6. A mobile communication system as claimed in claim 4 or 5, wherein:

said radio base station measures periodically said transmission speed to determine said permissible transmission capacity, and transmits said transmission capacity demanding signal as occasion demands.